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BLAKELY SOKOLOFF TAYLOR & ZAFMAN  
12400 WILSHIRE BOULEVARD  
SEVENTH FLOOR  
LOS ANGELES, CA 90025-1030

EXAMINER

DAO, MINH D

ART UNIT PAPER NUMBER

2682

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Please find below and/or attached an Office communication concerning this application or proceeding.

WJA

<b>Office Action Summary</b>	<b>Application No.</b> 09/745,493	<b>Applicant(s)</b> SHAH, NITIN J.	
	<b>Examiner</b> MINH D DAO	<b>Art Unit</b> 2682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-69 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-69 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-69 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chmaytelli (US 6,085,096) in view of Nakamura (US 6,233,464).

Regarding claim 9, Chmaytelli teaches a method for selectively disabling the wireless communication functionality of an integrated portable computing-communication device (see figs 1 and 2; col. 2, lines 25-34, lines 47-50), the method comprising: providing a first mode of operation in which both wireless communication functionality and local functionality of the device are enabled (col. 3, lines 34-45; see option 1 where the PDA and the telephone are on when the stylus is removed); and selectively switching between the first and second modes of operation (as stated in col. 3, lines 34-45, the action of removing and replacing the stylus into its holder creates at least two modes of operations.). However, Chmaytelli does not disclose providing a second mode of operation in which the communication functionality is disabled and the local functionality is enabled. Nakamura, in analogous art, teaches a mobile communication system that

can be powered off in a restricted area (see col. 3, lines 32-37). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the system of Chmaytelli so that its communication functionality can be disabled and the local functionality remained enabled in order to prevent troubles caused by radios waves radiated from the communication unit within a restricted area as taught by Nakamura.

Regarding claim 10, the combination of Chmaytelli and Nakamura teaches the method of claim 9, further comprising providing a third mode of operation in which neither the wireless communication functionality nor the local functionality of the device is enabled (see col. 3, lines 43-45).

Regarding claim 11, the combination of Chmaytelli and Nakamura teaches the method of claim 9, wherein selectively switching between the first and second modes of operation comprises: in the first mode of operation, providing power to a computing unit and a radio communication unit of the integrated portable computing-communication device, wherein the computing unit provides the local functionality and the radio communication unit provides the communication functionality; and in the second mode of operation, providing power to the computing unit, and not providing power to the communication unit (reference Chmaytelli, col. 3, lines 33-35, when the PDA and the telephone are on (i.e. power is provide to both units; in second mode, the combination of Chmaytelli and Nakamura teaches disabling the communication. Therefore, once

combined with Nakamura, when the system of Chmaytelli having both PDA and Communication function on approaching the restricted area, the power of the communication unit will be turned off.).

Regarding claim 12, the combination of Chmaytelli and Nakamura teaches the method of claim 9, wherein selectively switching between the first and second modes of operation comprises disabling at least a portion of a radio communication unit that provides the communication functionality in the second mode of operation (reference Nakamura, col. 6, lines 13-26).

Regarding claims 13-16, the cellular communication technology is well known to provides data transfer between the mobile units and a network that is capable of carrying data, voice and Internet communication, therefore it is taken official notice that in the first mode of operation, the wireless telephone of Chmaytelli provides the capabilities mentioned above for the benefit pleasing cellular customers with variety of choices to communicate from one party to another.

Regarding claim 1, the claim has the limitation as that of claim 9, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 9. In addition, the Switch of Chmaytelli combined with the Power Control Section 37 in fig. 7 of Nakamura reads on the switch of the present invention.

Regarding claim 2, the claim has the limitation as that of claim 13, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 13.

Regarding claims 3,4,5,6,7 the combination of Chmaytelli and Nakamura teaches the computing unit comprises: a data storage area to store information; and a processor, coupled to the data storage area to retrieve the information, and the information includes ROM and RAM information (see the PDA in fig. 2 of Chmaytelli). In addition, it is taken official notice that it is well known in the art that memory of an PDA should contain ROM and RAM information in order to accept and process the information.

Regarding claim 8, it is taken official notice that the base station within an cellular system should be adaptive array in order to handle call hand-offs from one base station to another.

Regarding claim 17, the claim is the apparatus claim of claim 9, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 9.

Regarding claim 18, the combination of Chmaytelli and Nakamura teaches the apparatus of claim 17, wherein the selection means comprises a switching means to switch between the first and second modes of operation (see fig. 2 of Chmaytelli, switch 204, and fig. 7 of Nakamura, power control section 37, also see col. 6, lines 13-26 of Nakamura).

Regarding claim 19, the combination of Chmaytelli and Nakamura teaches the apparatus of claim 18, wherein the switching means is coupled to a power supply means, the switching means to disable the supply of power from the power supply means to at least a portion of the second means (see fig. 7 of Nakamura, power control section 37, also see col. 6, lines 13-26).

Regarding claim 20, the combination of Chmaytelli and Nakamura teaches the apparatus of claim 17, wherein an external entity triggers the selection means to select between the first and second modes of operation (see fig. 7 of Nakamura, base station 31).

Regarding claim 21, the combination of Chmaytelli and Nakamura teaches the apparatus of claim 20, wherein the external entity comprises a transmitter to transmit a signal that triggers the selection means to select between the first and second modes of operation (see fig. 7 of Nakamura, col. 6, lines 13-26).

Regarding claim 22, the combination of Chmaytelli and Nakamura teaches the apparatus of claim 17, further comprising an indication means for indicating whether the apparatus is operating in the first or the second mode of operation (see Chmaytelli, col. 2, lines 6-18).

Regarding claim 23, the claim has the limitations as that of claims 9 and 17, therefore it is interpreted and rejected for the same reason set forth in the rejections of claim 9 and claim 17.

Regarding claim 24, the claim has the limitation as that of claim 12, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 12.

Regarding claim 25, the claim has the limitation as that of claim 19, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 19.

Regarding claim 26, the claim has the limitation as that of claim 19, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 19. In addition, once the power supporting the radio communication is turned off the entire RF circuitry should be off including the oscillator.

Regarding claim 27, the combination of Chmaytelli and Nakamura teaches the method of claim 26, wherein disabling the local oscillator of the RF unit comprises sending a software command to a local oscillator control circuit to cause the local oscillator to cease operation (see fig. 7 of Nakamura, also see col. 6, lines 3-26, and the explanation of the rejection of claim 26 above).



Regarding claim 28, the claim has the limitation as that of claim 26, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 26.

Regarding claims 29 and 30, the claims have the limitation as that of claim 26, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 26. Similar to rejection of claim 26, when the power supporting the radio communication is turned off the entire RF circuitry should be off including the antenna.

Regarding claims 31 and 32, the combination of Chmaytelli and Nakamura does not mention disabling access to making and receiving calls by increasing the shielding of the antenna. However, it is taken official notice that this limitation is well known in the art such that when an antenna is retracted from its operating extended position into its metal housing, the housing will act as shielding mechanism to prevent radio waves from transmitting/receiving to/from a communication device.

Regarding claim 33, the combination of Chmaytelli and Nakamura teaches disabling the access to the making and receiving wireless calls comprises disabling the access in response to selection of a soft key on the device (see fig. 2 of Chmaytelli, in this case the stylus action trigger and the switch reads on the soft key of the device).

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Regarding claim 34, the combination of Chmaytelli and Nakamura teaches disabling the access to the making and receiving wireless calls comprises disabling the access in response to toggling of a mechanical switch on the device (see fig. 2 of Chmaytelli, also see col. 2, lines 6-18).

Regarding claim 25, the claim has the limitation as that of claim 34, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 34.

Regarding claim 36, the claim has the limitation as that of claim 13, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 13.

Regarding claim 37, the claim has the limitation as that of claim 23, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 23.

Regarding claim 38, the claim has the limitation as that of claim 26, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 26.

Regarding claim 39, the claim has the limitation as that of claim 19, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 19.

Regarding claim 40, the claim has the limitation as that of claim 27, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 27.

Regarding claim 41, the claim has the limitation as that of claim 29, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 29.

Regarding claim 42, the claim has the limitation as that of claim 33, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 33.

Regarding claim 43, the claim has the limitation as that of claim 34, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 34.

Regarding claim 44, the claim has the limitation as that of claim 35, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 35.

Regarding claim 45, the claim has the limitation as that of claim 17, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 17.

Regarding claim 46, the claim has the limitation as that of claim 24, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 24.

Regarding claim 47, the claim has the limitation as that of claim 26, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 26.

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Regarding claim 48, the claim has the limitation as that of claim 24, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 24.

Regarding claim 49, the claim has the limitation as that of claim 29, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 29.

Regarding claim 50, the claim has the limitation as that of claim 30, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 30.

Regarding claim 51, the claim has the limitation as that of claim 31, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 31.

Regarding claim 52, the claim has the limitation as that of claim 35, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 35.

Regarding claim 53, the claim has the limitation as that of claim 26, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 26.

Regarding claim 54, the claim has the limitation as that of claim 1, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 1.

Regarding claim 55, the claim has the limitation as that of claim 47, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 47.

Regarding claim 57, the claim has the limitation as that of claim 23, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 23. In addition, Nakamura teaches detecting an event that is when the mobile unit enters a restricted area its power is turned off.

Regarding claim 58, the claim has the limitation as that of claim 48, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 48.

Regarding claims 59,60,61,62, the claims have the limitation as that of claim 48, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 48.

Regarding claim 63, the combination of Chmaytelli and Nakamura teaches the method of claim 57, wherein detecting the event comprises detecting a user input (see Nakamura, col. 3, lines 14-23).

Regarding claim 64, the claim has the limitation as that of claim 36, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 36.

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Regarding claim 65, the claim has the limitation as that of claim 9, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 9. In addition, Nakamura teaches providing an airplane mode (see Nakamura, col. 2, lines 15-27).

Regarding claims 66 and 67, see fig.2 of Chmaytelli.

Regarding claim 68, the claim has the limitation as that of claim 53, therefore it is interpreted and rejected for the same reason set forth in the rejection of claim 53.

Regarding claim 69, the combination of Chmaytelli and Nakamura teaches the method of claim 65, wherein the trigger received at the device comprises a signal received automatically from an external entity (see Nakamura, col. 3, lines 32-37).

### ***Response to Arguments***


2. Applicant's arguments filed on 10/14/2004 have been considered but are moot in view of the new ground(s) of rejection.


**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D DAO whose telephone number is 703-305-5589. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, VIVIAN C CHIN can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Minh Dao   
Art Unit 2682  
January 17, 2005

  
LEE NGUYEN  
PRIMARY EXAMINER